

AggreGuard™ boosts viral titre



VERO

Cell culture homogeneity improves when using AggreGuard™ (AG), leading to increased viral titre in a Vero cells eGFP-AAV model.

Cell-to-cell adhesion in microcarrier culture leads to a loss in culture homogeneity, even with good process control.

Loss of control = ↑ cell death and ↓ productivity

Spinner 1
AG+AAV+

Spinner 2
AAV+

Spinner 3
Control (Neg.)

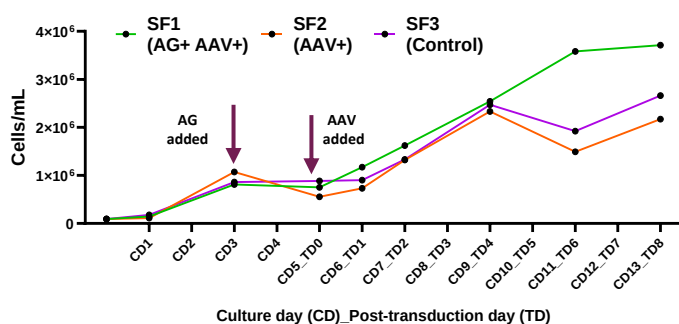
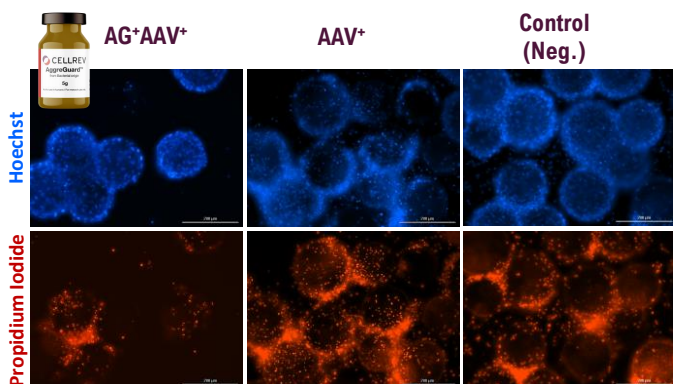


End of process (CD13_TD8): Visual analysis (bottom of spinner flask).

AggreGuard™ addition prevents aggregation in microcarrier-based culture.

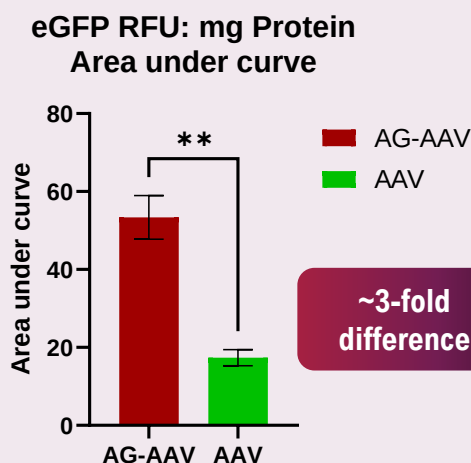
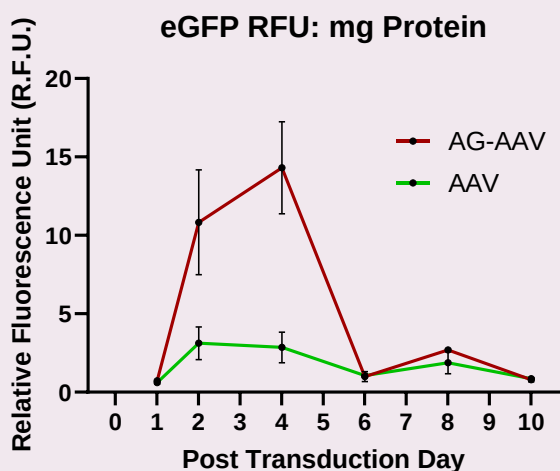
***AggreGuard™ use for 13 days of Culture in total**

Daily Cell Counts (NucleoCounter NC-202)



*Vero cells cultured on Sartorius SoloHill® Plastic Plus microcarriers. Fed-batch; 25% media exchange every 48 hours. eGFP-AAV used at 10³ MOI for AAV+ and AG+AAV+

The use of AG improved the stability of the intracellular eGFP-signal, resulting in ~3-fold increase in total eGFP-signal over 6 days of culture post-transduction (TD).



AggreGuard™ is available in 100mg and 500mg trial versions to enable risk-free evaluation.



CellRev provide media additives to optimise and intensify cell culture processes.

enquiry@cellrev.co.uk
www.cellrev.co.uk

